Wendell M. Miyaji

Vice President, Energy Sciences, Comverge, Inc. – July 2001 – present

- Responsible for the Megawatt settlement of Comverge VPC Demand Response systems from 2003 to 2012 with clients
- Member of the Board of the Directors and Retail Electric Quadrant Executive Council for the North American Energy Standards Board (NAESB)
- Technical responsibility for Comverge Virtual Peaking Capacity Energy Demand Response systems
    - Each substitutes for a merchant peaking power plant
    - Integrates 100,000 customer control devices with a software system and wide area network
    - Designed to operate over 15 years
    - $200 Million contract value
- Direct team that deployed and operated Measurement & Verification System
- Direct three engineering groups for Comverge Virtual Peaking Capacity Solutions
    - Quantitative Analytics – responsible for the evaluation of electrical meter data for curtailable load forecasting, curtailed load results, field quality data and annual settlement data
    - Systems Analytics – responsible for creating curtailment strategies and customer configurations to meet client requirements, verifying thermostat and switch operations, verifying curtailment algorithm implementations, ongoing real time verification of end-to-end systems availability
    - RF Systems Engineers – design & modeling of communications systems, contracting with third party communications providers, conduct semi-annual field tests of RF performance, reconcile field tests with system simulations, estimate system availability at all customer sites,
- Advise Comverge product and turnkey client's system deployments and Measurement & Verification processes.
- Developed and implemented mitigation strategies to address Demand Response risks for weather, communications impairments, equipment failures.
- Integrated the use of VHF paging, cellular data and customer's internet in the design of Measurement & Verification Systems for Demand Response telemetry.
- Direct through Quantitative Analytic team, Quality Assurance field staff for data collection on VPC systems.
- Direct through Systems Analytic and RF Engineering teams, Field Service and Applications Engineering teams supporting Comverge product and turnkey solutions
- Key participant for three years in the NAESB Demand Response and Energy Efficiency Subcommittee with a focus on Wholesale Electric and Retail Electric Demand Response Measurement & Verification Standard

Engineering Manager, Motorola – January 1999 to July 2001

- Managed System Test team for a mobile phone for CTIA, CDG and Carrier testing
- Program Manager for CDMA 2000 Architecture Team

Program Management, Phillip Consumer Products – July 1998 to January 1999

- Led team of Program Managers for mobile phone developments
- Organization acquired by Motorola

Director of Programs, GTE/BBN – February 1998 to July 1998

- Program Managed Secure Key Management hardware system
- Coordinate matrix efforts for the definition and development of Public Key Infrastructure Products and Services

Lucent Technologies/General Dynamics January 1996 to February 1997
Communications Systems Engineering Department, Advanced Technology Systems Business Unit
Technical Manager – February 1997 to January 1998

- Defined and deploy private network of the design of a class of Navy Landing Docks for the US Navy Customer.

Technical Manager, Chief Systems Engineering Manager for the Lucent Technologies Utility Solutions program

- Created over a period of six months and managed for three years a team of Systems Engineer in specifying a $160 million dollar hardware/software system deployment and validated concepts and technology in a trial system with PSE&G
- Integrated the technical activities of two Lucent software development teams, two Lucent circuit design teams, the Lucent installation team, one Lucent factory and four other manufacturing subcontractors (GE, American Meter, Honeywell, Intellon)
- Managed to very stringent design cost objective
- Applied earned value metric/process for managing a project to cost and schedule objectives
- Supported simultaneous contracts with four Electric & Gas Utility Customers.
- Implemented Object Oriented Requirements Traceability Database
- Managed implementation of Windows NT TCP/IP Private Data Network
- Deployed and maintained a 1000 point Sensor Telemetry system
- Operated field deployed pilot system for one year
- Managed remote software upgrades – 5 versions/200 sites
- Key Technology elements: Windows NT, SQL Server Database, 2-way Data of CATV system, Data over Power Line Carrier, Spread Spectrum data in 900 MHz Electronics (CEBus®), Cellular Data Packet Delivery (CDPD)
- Full Scale Deployment accepted by customer

Member of Technical Staff, Bell Laboratories, Lucent Technologies, Inc./AT&T – 1998 to Dec 1995

Communications Systems Engineering Department, Advanced Technology Systems BU

- Conducted systems engineering analyses for a broadband (T3) network for a globally distributed interactive simulation leading to a redesign of feeder network structure

Business Operations Engineering Department

- Core Team member of the Network Systems Order Realization Project. Provided leadership in redefining the Order Fulfillment process for International Customers. Prepared design requirements for Network Systems Export/Import Center
- Supported team which produced the Global Bid Management Process

US Navy Advanced Studies Department, Federal Systems Advanced Technologies

- Performed systems engineering analyses for Surveillance Direction System, a communications and information processing system
- Led preparation of and presented proposal for AT&T development of the Theater/Region/Sector Communications and Intelligence System
- Developed with TRW a proposals for the Navy Communication Support System

Bell Communications Research, Summer 1987

- Specified sampling scheme for Private Virtual Networks
- Evaluated flow control system for Fiber Ring Architecture

Graduate Student/Teaching Associate/Research Associate, University of California, Los Angeles, 1983-1988

Plant Manager, Research Engineer, Lee Pharmaceuticals, 1979 – 1983

- Measured and compensated on exceeding quarterly performance profitability objectives
- Responsible for technical and financial aspects of a organic chemical manufacturing facility. Supervised 10 operators and 2 clerical staff in a 7 by 24 operations
- Coordinated evaluation of new proposals and products, design and development of chemical processes, adherence to government regulations, purchasing, accounting, and quality control.

Education
UNIVERSITY OF CALIFORNIA, LOS ANGELES – June 1988

Doctor of Philosophy in Electrical Engineering – Control Systems
Strong and Weak Stabilizability – Lyapunov Type Approaches

UNIVERSITY OF CALIFORNIA, LOS ANGELES – June 1985
Master of Science, Engineering

CALIFORNIA INSTITUTE OF TECHNOLOGY – June 1979
Bachelor of Science in Chemical Engineering

Other
US Patent #7606639 Local Power Consumption Load Control, October 20, 2009
Participant in 1997 Institute of Managerial Leadership Program, University of Texas at Austin
Selected for AT&T Leadership Continuity Program – March 1995